Public Works (1914) Department.

G.O. No. 3139

DATED 1. 7. 1914.

The Notes
in this G.O. have been printed.

[Despatch Abstract.]

South Rajan channel bridge on Road No. 63

Sanctioning an estimate amounting to Rs. 1494 inclusive of establishment charges for providing screw gearing shutters to the — Tiruturaipundi Taluk, Cauvery delta System.

[P. W. 9.
2,000—2-10-12.]

~~Indexed~~
T.S. 4/7

Indexed

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

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G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

Government of Madras.

PUBLIC WORKS DEPARTMENT.

IRRIGATION.
ACCOUNT.

original

Recd.	} 1914.	*Enclosures*	
Regd.		*Spare copies*	

G.O. No. 313 I., 1st July 1914.

South Rajan channel bridge on Road No. 63

Sanctioning an estimate amounting to Rs. 1,494 inclusive of establishment charges for providing screw-gearing shutters to the —, Tirutturaippūndi taluk, Cauvery Delta system.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

I

Letter—from M.R.Ry. Rai Bahadur A. V. Ramalinga Ayyar Avargal, B.A., B.C.E., Superintending Engineer, VII Circle.
To—the Chief Engineer for Irrigation.
Dated—Madras, the 18th May 1914.
No.—343 E.I.

I have the honour to forward herewith plans and estimates amounting to Rs. 1,230 for providing screw-gearing shutters to the South Rajan channel bridge on road No. 63, Tirutturaippūndi taluk, for favour of sanction.

The report accompanying the estimate clearly explains the necessity for the work. The Collector of Tanjore has countersigned the estimate in token of his approval. The work is proposed to be carried out by March 1915 under "49—Open capital accounts" of the Cauvery Delta system. Early sanction to the estimate is solicited.

Enclosure.

Report to accompany the estimate for providing screw-gearing shutters to the South Rajan channel bridge on road No. 63, Tirutturaippūndi taluk.

	RS.
Amount of estimate	1,230

The South Rajan channel takes off on the right bank of the Adappar above Pamani regulator and flows for about four miles at the end of which its supply is being supplemented by another head sluice above Umbalacheri regulator across the Adappar, whence it continues to flow for another four miles by the same name irrigating the lands on its right, as far as bridge on road No. 63 where it falls into the Adappar. Along its course at its head it receives the drainage water of Mulliar, etc., from an area of 1,600 acres.

2. The bridge on road No. 63 consists of one vent of 20′ span with ample ventway (as per accompanying plan) which was found necessary before the conversion of Pamani dam into a regulator of Umbalacheri mud dam into a regulator and the provision of screw-geared shutters to the two head sluices. Now the supply from the Adappar can be cut off completely by closing the head sluices during heavy rains, etc., but complete relief from submersion cannot be secured by the backing up of the Adappar floods through the bridge at its tail end, the sill level of which is + 18·00 with M.F.L. + 24·25, while the adjacent land levels vary from + 19·00 to 20·50. The South Rajan channel has no regular bank on its right side high enough to withstand the Adappar floods for about two miles above the bridge in consequence of which the lands are liable to submersion.

3. The provision of screw-geared shutters to the bridge will prevent this backing up and the drainage water of 1,600 acres will be accumulated in the channel, etc., without causing any perceptible damage to the lands while the Adappar is in floods. This will be a more economical and satisfactory arrangement instead of banking the South Rajan channel with irrigation sluices for more than two miles above the bridge by acquiring land at a high cost. Being the tail end of the channel during times of scarcity the ryots have recourse to several mud dams across the channel which only tend to silt up the channel above. After the provision of the screw-geared shutters as now proposed there will be no necessity for these mud dams as water can be held up to the required level by regulating the shutters and the tendency for silting up in the channel will be minimised.

4. All the lands irrigated by the South Rajan channel below Umbalacheri regulator drain into the Pokkuvoikal, an estimate for improving of which has been submitted for sanction separately*.

* Submitted to the Chief Engineer for Irrigation with S.E.'s No. 245 E.I., dated 14th April 1914.

5. Under the above circumstances the proposed work is absolutely necessary for the efficient drainage and irrigation of lands under the South Rajan channel and its early sanction is therefore solicited so as to carry out the work in the next working season.

V. Gopalayya,
Offg. Executive Engineer, Vennar Division.

18*th December* 1913.

II

Note by the Chief Engineer for Irrigation, No. 2897 B/14-1, dated 29th June 1914.

With his letter No. 343 E.I., dated 18th May 1914, the Superintending Engineer, VII Circle, submits an estimate amounting to Rs. 1,230 for providing screw-gearing shutters to the bridge carrying road No. 63 over the South Rajan voikal in Tirutturaippūndi taluk, Cauvery Delta system. The bridge has one span of 20 feet with a segmental arch and is situated just above the infall of South Rajan voikal into the Adappar. It is stated that during floods in the Adappar, water backs up the channel through the bridge and submerges the low wet lands above it. It is therefore proposed to add regulating arrangements to the bridge on the Adappar side consisting of two vents of $6\frac{1}{2}'$ wide and 4′ 3″ high and to provide screw-gearing shutters to the vents to prevent the Adappar floods from backing up the channel and causing damage to the lands.

The estimate which has been countersigned by the Collector in token of his approval is recommended for sanction.

W. J. J. Howley,
Offg. Chief Engineer for Irrigation.

To the Joint Secretary to Government, Public Works Department.
(Irrigation Branch), with the current file.

Order—No. 313 I., dated 1st July 1914.

The recommendation of the Chief Engineer for Irrigation is approved, and the following estimate sanctioned :—

Imperial.
Capital expenditure not charged to Revenue.
49. Irrigation.
Cauvery Delta System.
Vennar Division.
Open Capital Account.
1. Works.
4. Drainage and Protective Works.
C. Works.
Unremunerative Work.
Providing screw-gearing shutters to the South Rajan channel bridge on Road No. 63, Tirutturaippūndi taluk.

Estimate—

	RS.
I. Works	1,230
II. Establishment	264
Total ...	1,494

2. The sanction accorded in paragraph 1 above is registered as No. 37 I. of 1914–15 and will expire on 31st March 1915.

(True Extract.)

W. J. J. Howley,
Offg. Joint Secretary to Government, P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.
,, Superintending Engineer, VII Circle,
with plans and estimate.
,, Accountant-General, Madras.

PUBLIC WORKS DEPARTMENT
(IRRIGATION BRANCH).

NOTES CONNECTED WITH G.O. No. 313 I., DATED 1st JULY 1914.

[SUBJECT.—*Providing screw-gearing shutters to the South Rajan channel bridge on road No.* 63, *Tirutturaippūndi taluk.*]

From the Superintending Engineer, VII Circle, dated 18*th May* 1914, *No.* 343 *E.I.*

Under Secretary—
Joint Secretary—

With his letter read above, the Superintending Engineer, VII Circle, submits for sanction an estimate amounting to Rs. 1,230 for providing screw-gearing shutters to the South Rajan channel bridge on road No. 63 in Tirutturaippūndi taluk. The object of the work is to provide for the efficient drainage and irrigation of lands under the South Rajan channel.

2. The Collector of Tanjore has countersigned the estimate in token of his approval to the proposed work being carried out. For orders if the estimate may be checked for sanction.

S.S.—25-5-14.

T.S.R.—25-5-14.

F. E. MORGAN—27-5-14.

Check.

W. J. J. HOWLEY—27-5-14.

The estimate has been checked. The rates agree with the current schedule of the division. The area of the vents allowed at the bridge is sufficient to pass the drainage expected in the channel.

A draft note by the Chief Engineer for Irrigation is put up for approval.

M.V.—19-6-14.

R.S.—19-6-14.

Under Secretary—
Joint Secretary—

A draft order sanctioning the estimate is also submitted for approval and orders to issue. It does not appear necessary to forward it to Revenue for acceptance, as the Collector of Tanjore has countersigned the estimate in token of his approval to the proposal.

S.S.—24-6-14.

T.S.R.—24-6-14.

F.E.M.—26-6-14.

Issue.

W.J.J.H.—29-6-14.

[Issued as G.O. No. 313 I., dated 1st July 1914.]

5

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pp 1-4 c.f.

~~From S.E. VII No. 343. E.I. d 18.5.14~~ Printed with report

Note by the Chief Engineer

for Irrigation.

No. 2897 B/14-1 d 29-6-14

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pp 1-2 c.f.

With his letter No.343 E.I., dated dated 18th May 1914, the S.E., VII - Circle submits an estimate amounting to Rs. 1,230 for providing screw gearing shutters to the bridge carrying road No.63 over the south Rajan voikal, in Tiruthuraipundi taluk, Cauvery delta system. The bridge has ~~a~~ one span of 20 ft ~~wide~~ with a segmental arch and is -- situated just above the infall of - south Rajan voikal into the Adappar. It is stated that during floods in the -

para 3 of report on p 3 c.f.

Adappar

6

Adappar, water backs up the channel through the bridge and submerges the low wet lands above it. It is therefore proposed to add regulating arrangements to the bridge on the Adappar side consisting of 2 vents of 6½' wide and 4'-3" high and to provide screw gearing shutters to the vents to prevent the Adappar floods from backing up the channel and causing damage to the lands

The estimate which has been countersigned by the Collector in token of his approval is recommended for sanction.

19.6.14

24/6/14

28/6/14

To

The Joint Secy to Govt:
with the C,F.

Scott. II—10 (a)—7,000—4-13.

P.W. DEPARTMENT.
(Irrgn)

South Rajan Channel bridge on Road no. 63

Sanctioning an estimate amounting to Rs. 1494/- inclusive of establishment charges for providing Screw gearing Shutters to the —— Thiruthuraipundy taluk, Cauvery Delta System.

Channels.
Bridges.
Estimates.

READ AGAIN G.O. No. ......, dated ...... 191 .

" " " " ......, " ...... 191 .

READ ALSO:—

5-6 C.C. No. 2897/14, From the Ch. Engr. for Irrigation, No. 2897B/14-1 dated 29-6 1914.

Print

" " ......, " " ......, " ......, " ...... 191 .

" " ......, " " ......, " ......, " ...... 191 .

ORDER. No. 313 I, dated 1-7-1914
Press.

Print notes.

The recommendation of the Chief Engineer for Irrigation is approved, and the following estimate sanctioned:——

Imperial.

Capital expenditure not charged to Revenue

49. Irrigation.

Cauvery Delta System.

Vennar Dn.

Open Capital Account.

1 Works.

4 Drainage + Protective Works.

C. Works.

Unremunerative Work.

Providing Screw gearing Shutters

to the South Rajan Channel bridge on Road no. 63 Thiruthuraipoondy Taluk.

Estimate —

I Works.	Rs.	1,230.
II Establishment	"	264.
Total	"	1.494

2. The sanction accorded in paragraph 1 above is registered as no. 37.D. of 1914-15 and will expire on 31st march 1915.

24.6.14

24.6.14

29/6/14

Print notes-

To

The Ch. Engr. for Irrign. m/s

Supg. Engr. VII Circle with plans & estimate. m/s

A. G. madras.

SE copy 4/7

Type S.E.'s letter & order for m/s copies to issue in advance.

DESPATCHED.
3 JUL 1914

not E.T.

[illegible]
[illegible]
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